



COVID-19 MITIGATIONS FOR OFFSHORE ENERGY OPERATIONS

ISSUE DATE: March 14, 2020

Disclaimer

The materials generated for this Document, inclusive of the appendices, were generated from a volunteer effort within the OOC Executive Subcommittee. These materials drew upon lessons learned from multiple operators and contractors. Each operator or entity is solely responsible for verification and modification of these materials for their organization's needs prior to use. The OOC, its staff and all of the contributing volunteers assume no liability for the content or use of the produced materials.

OFFSHORE OPERATORS COMMITTEE

staff@theooc.us



Table of Contents

1	Overview.....	2
2	Worker Self-Screening.....	2
3	Pre-Travel Screening.....	3
4	Marine & Shorebase Facilities.....	3
5	Facility Mitigations	4
5.1	Arriving Individuals from Secondary Transportation	4
5.2	Onboard Measures	4
6	Additional Mitigations	5
7	Collaboration.....	6

March 14th, 2020 Revision 0



1 Overview

This document contains several mitigations for COVID-19 as it relates to ongoing offshore energy operations. Each company engaged in offshore energy development should be aware of current Centers for Disease Control and Prevention (CDC) information associated with the Coronavirus Disease 2019 (COVID-19) at (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>). The mitigations within this document are organized in the following categories:

- Worker Self-Screening (before you go to work)
- Pre-Travel Screening (Example: Heliport)
- Marine & Shorebase Screening
- Facility Mitigations (offshore)
- Additional Mitigations

2 Worker Self-Screening

All workers should monitor their own health before going to work. One key action everyone can take is to look for symptoms of COVID-19, which are:

- Fever
- Cough
- Shortness of breath

Not all individuals that test positive for COVID-19 exhibit the above symptoms. Symptoms may appear 2 to 14 days after exposure to COVID-19.

The CDC recommends that any worker call their doctor if they:

- Develop symptoms (listed above), and have been in close contact with a person known to have COVID-19 or
- Have recently traveled from an area with widespread or ongoing community spread of COVID-19 (listed below)

CDC notes the areas have widespread or ongoing community spread of COVID-19. Current COVID-19 case statistics can be found on the CDC webpage and at <https://ncov2019.live>.

MITIGATION: Workers who have symptoms, traveled to areas with community spread or close contact with anyone who has, **should not proceed to Heliport and Shorebase facilities.** They should contact their employer and follow company guidelines.



3 Pre-Travel Screening

Companies should screen all personnel at offshore transportation points (Heliports & Shorebases) before travel offshore. Several common mitigations are recommended.

Screening Point Mitigations

- Encouragement of self-evaluation before arrival
- Screening Point prior to entering Heliport Check-in Area

Screening Related Mitigations

- Exposure & Symptom Screening Questionnaire
- Temperature Screening
- Additional Medical Screening (where appropriate)

MITIGATION: Companies should make their personnel aware of the screening process prior to arrival and provide for questionnaires, temperature screening and other **screening methods outside of the confined personnel check-in and staging area** if no pre-arrival screening is conducted.

4 Marine & Shorebase Facilities

The following mitigations are recommended.

- Following all Center for Disease Control (CDC) and World Health Organization (WHO) recommendations.
- Utilize screening questionnaire for all that enter facilities and/or board vessels
- Supply all of vessels with additional alcohol-based hand sanitizer as well as additional surface sanitizing products. Review cleaning regimes with a view of increasing the frequency
- Secure digital no-touch thermometers and N95 respirators as a precautionary measure
- Provide vessels in international locations with updated risk management techniques and hygiene awareness communications
- Develop/implement plans to manage suspected case on board a ship – including PPE recommended by the CDC to allow proper care for the suspected individual during the quarantined period and until the individual can be safely removed from the vessel.

MITIGATION: Companies should make their personnel aware of the screening process and provide for questionnaires, temperature screening and other **screening methods prior to boarding vessel** (Where possible, conduct screenings outside of the confined personnel check-in and staging area) if no pre-arrival screening is conducted.

MITIGATION: Companies should provide for onboard measures to enable **exposure limiting practices, plans for symptom assessment, and plans for symptomatic individuals.**



5 Facility Mitigations

Offshore facilities should enable practices that maintain screening practices for all personnel onboard. While onboard, additional mitigation can be implemented to enable social distancing.

5.1 Arriving Individuals from Secondary Transportation

Offshore facilities should have procedures for screening individuals who have not been screened at Heliports & Shorebases before arrival. Support vessels, specialized vessels and other service platforms may have individuals on board that have not been pre-screened. Companies should have processes in place to obtain confirmation of individual screening or methods to screen prior to accepting personnel to the general population on board.

MITIGATION: Facilities should provide for managing verification of screening or conducting screening of arriving individuals whom have not been screened at Heliports and Shorebases before accepting them into the general population onboard.

5.2 Onboard Measures

Facilities contain communities of individuals who work, eat and sleep onboard. Several mitigations can be implemented to enable social distancing practices, some of which are listed below:

Galley Mitigations

- Elimination of self-serve dining with community utensils
- Replacement of communal condiments with single-serving packets
- Cleaning personnel separate from food preparation personnel
- Verify workers to wash hands or use hand sanitizer upon galley entry
- Use of disposable paper towels for drying (in galley)

Additional Mitigations

- Good housekeeping practices (examples below)
 - Increased cleaning measures of cabins between crew changes
 - Clean frequent contact surfaces daily (handrails, electronics handsets, telephones, radio mikes, handheld radios, door handles, door surfaces, lavatories, shower doors, bathroom stall doors, equipment controls, etc...)
- Change HVAC filters at a minimum of once a week
- Hot water wash for all laundry
- Enhanced cleaning and disinfecting for 72 hours after last ill person is released from isolation or has been evacuated
- Quarantine and specialized transportation plans for any individuals on board exhibiting symptoms
- Consideration for testing offshore prior to transportation onshore (when available)

MITIGATION: Facilities should practice good housekeeping, enable measures that limit contact with communal surfaces, and have plans for handling individuals on board that may develop symptoms.



6 Additional Mitigations

Offshore energy operations involve many personnel not only offshore but in the support offices onshore. Additional mitigations should be considered in all onshore facilities and offices that allow for social distancing and diligence with self-assessment (as mentioned in section 2). Some of these mitigations are listed below:

Exposure Limiting Mitigations

- Encourage regular self-assessment
- Limitation of non-essential travel
- Individuals returning from areas of active communal spread should inform their supervisors and work from home for 14 days and should not attend meetings or events offsite
- Enable policies for onshore personnel who exhibit symptoms or test positive for COVID-19
- Increased housekeeping measures at onshore offices and facilities (disinfection protocols)
- Posting of CDC personal hygiene signs in appropriate locations
- Limitation of communal items in onshore cafeterias (use of individually wrapped utensils, individual condiment packets)
- Implement additional medical staff precautionary measures

Business Impact Limiting Mitigations

- Establishment of notice requirements for individuals who test positive for COVID-19 to appropriate personnel
- Plan for office staff who exhibit symptoms (Example below)
 - Notify supervisor and medical department by telephone of the onset of symptoms
 - Leave the workplace immediately and go directly home
 - Call personal health care provider and let them know about symptoms consistent with COVID-19 (then follow advice of healthcare provider)
 - Remain out of the workplace until 10 days after symptoms have resolved or have two consecutive negative tests for COVID-19, and cleared to return by medical personnel
- Considerations for highly specialized workers (examples noted below)
 - Limit simultaneous exposure of highly specialized workers
 - Develop contingency plans for highly specialized worker quarantine periods
- Increased use of web-based meetings involving more than 10 people
- Increased use of remote working where possible

MITIGATION: Onshore facilities and offices should enable practices that allow for **social distancing, notice and action plans for individuals who exhibit symptoms, and increased cleaning measures.**



7 Collaboration

The Offshore Operators Committee (OOC) will continue to facilitate information sharing, collaboration among members and interface with government stakeholders. The OOC will focus on the following areas of collaboration:

- Robust and consistent screening practices at all major transportation points (Heliports & Shorebases)
- Sharing of current contingency plans, mitigation measures and learnings
- Weekly Executive Subcommittee (ESC) hosted web meetings (Wednesdays 9:30-10:30 CST)
 - NOIA representatives have been invited to participate
 - API representative has been invited to participate
 - LMOGA representative has been invited to participate
 - IADC representative has been invited to participate

March 14th, 2020 Revision 0